

Sotograph – Measure Your Code Quality

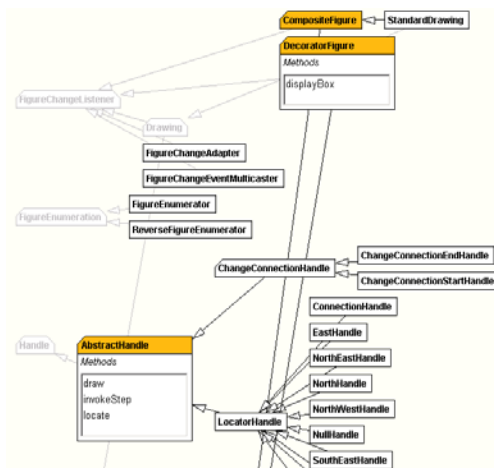
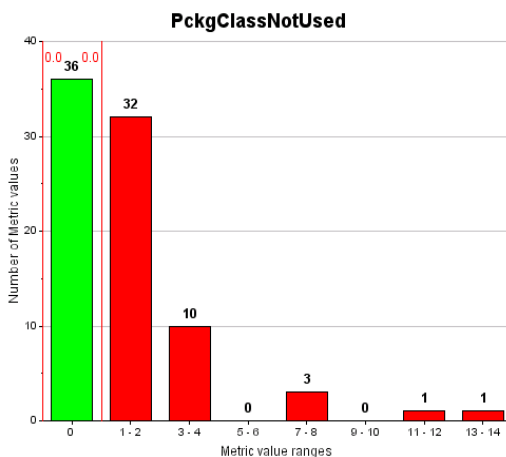
The professional tool to check inner software quality

For C/C++, C#, Java and ABAP systems

Continuous code quality monitoring – even in outsourcing projects

Sotograph is measuring violations of the project's implementation guidelines. It identifies source code which has been duplicated by copy and paste. It finds all groups of cyclically coupled artifacts. It measures and calculates a wide range of code quality data.

Sotograph compares several versions of a software system and shows the significant quality trends. This makes it possible to economically ensure quality standards even in projects that are implemented partially or entirely by external resources. Sotograph provides a batch interface which allows to gather information and carry out analyses automatically on a regular basis.



Detailed analyses and visualizations

Sotograph provides a large number of analyses to detect problematic source code areas and to investigate them in detail. Generic visualization support provides intuitive overviews of structures, contexts and problem distributions.

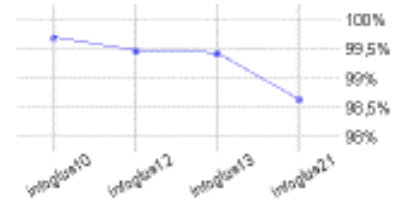
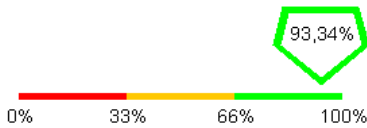
Sotoarc integration

Sotoarc serves as architecture modeling front-end and transfers its models into Sotograph. Thus architecture and interface violations are included in quality analyses and trend monitoring.

Add-on Tools

Sotoreport and Sotoweb

Reporting and web client for Sotograph based monitoring

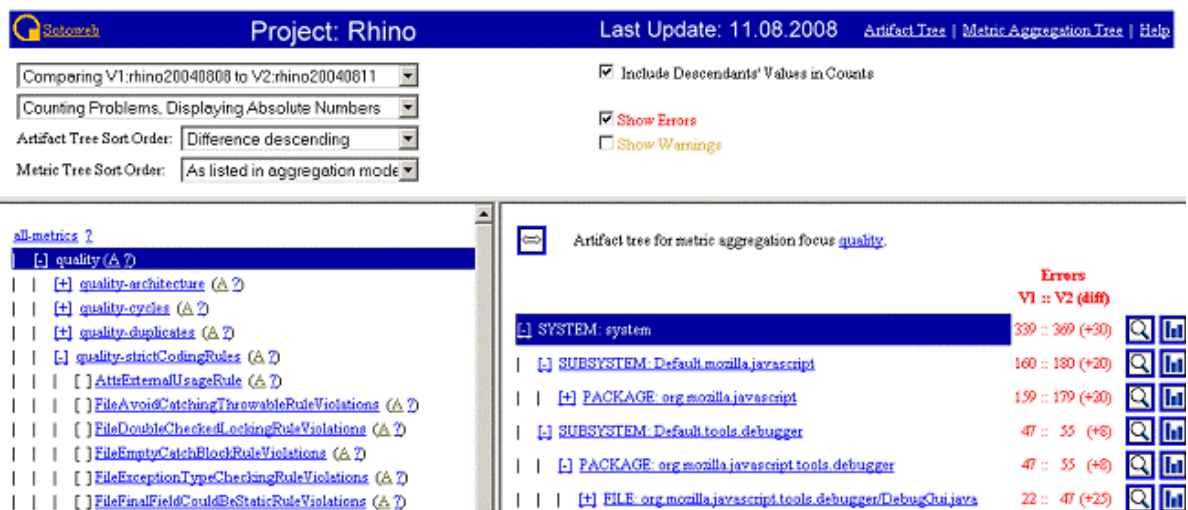


Continuous code quality monitoring with Sotoreport and Sotoweb

Sotoreport delivers a report document which presents the current quality status on a view pages. Reports are based on configurable templates. They are generated automatically, e.g. as part of a nightly build process.

Sotoweb provides quality information about the newest version of a software system for the whole team. Up-to-date quality information can be accessed via web browser in a dynamically generated HTML GUI. The current quality data can be compared with older versions. This comparison shows new and deleted architecture violations, cyclically coupled structures, duplicated code blocks, metrics, and coding rule violations.

Quality information is aggregated to the file, package, module and system level and can be filtered by quality categories. Flexible zooming permits the navigation between the levels as well as down to the source code.



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